

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 29, 2002, 13:52:52 ; Search time 32 seconds

(without alignments)
2057.056 Million cell updates/sec

Title: US-10-050-726-2

Sequence: 1 MEEPQPPRPASMAILGSH.....PEPYTAVTKQPKSEAGDTSL 494

Scoring table: BIOSUM62
Cann 10 0 Concept 0 5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%

Database : A_Geneseq_101002:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	2539	100.0	494	23	AAE55640	Human G-protein c
2	2525	99.4	494	22	AAE87872	Human G-protein c
3	2508.5	98.8	595	23	AAU695920	Human G-protein-c
4	2471	97.3	482	23	AAE14751	Human G-protein c
5	852	93.6	221	23	AAU695959	Human G-protein-c
6	498	19.6	97	23	AAU63101	Novel secreted pr
7	320.5	12.6	478	21	AAE64646	Human SNOF36a re
8	314	12.4	477	13	BAE21082	Dopamine D1 recep
9	313	12.3	477	16	AAE93881	Dopamine receptor
10	313	12.3	477	18	AAW40802	Human D5 dopamine

Sequence Alignment

11	313	12.3	477	22	AA8563537
12	312	12.3	489	21	AA8564740
13	309.5	12.2	349	23	AA8098988
14	306.5	12.1	349	16	AA8199443
15	306.5	12.1	475	14	AA811046
16	303.5	12.0	349	17	AA85070
17	303.5	12.0	349	23	AA8098935
18	303.5	12.0	349	23	AA809899
19	302.5	11.9	349	23	AA8098977
20	301.5	11.9	349	22	AA856355
21	297.5	11.7	349	23	AA809896
22	297.5	11.7	474	21	AA856479
23	289.5	11.4	560	22	AA8596565
24	289.5	11.4	1526	22	AA828294
25	288	11.3	432	21	AA8931363
26	288	11.3	432	21	AA893147
27	288	11.3	432	22	AA8677522
28	287	11.3	572	15	AA852830
29	287	11.3	572	16	AA890039
30	285	11.2	387	19	AA824582
31	285	11.2	387	18	AA861452
32	285	11.2	387	19	AA861386
33	283	11.2	387	19	AA8490033
34	285	11.2	387	23	AA874548
35	284	11.2	359	20	AA800889
36	284	11.2	359	21	AA8571722
37	284	11.2	359	23	AA810901
38	284	11.2	359	23	AA810902
39	284	11.2	432	21	AA856866
40	284	11.2	572	15	AA858661
41	283	11.1	385	19	AA852522
42	283	11.1	572	15	AA853071
43	281	11.1	572	16	AA859445
44	281	11.1	572	17	AA895565
45	281	11.1	572	22	AA859602

ALIGNMENTS

RESULT 1
AAE15640

XX 12-MAR-2002 (first entry)
DT

Human G-protein coupled receptor-10 (GCRG-10) protein

KW Human; G-protein coupled receptor-10; GRCRC-10; therapy; cancer; stroke; cell proliferative disorder; neurological; epilepsy; Parkinson's disease

OS Homo sapiens.

FH	Key	Location/Qualifiers
FT	Domain	110..129

PN W0200198351-A2

PD 27-DEC-2001.

PE 15-JUN-2001; 2001WO-US39275

PR 16-JUN-2000; 2000US-212483P
PR 22-JUN-2000; 2000US-213954P

PR 29-JUN-2000; 2000US-215209P
PR 07-JUL-2000; 2000US-216595P

RESULT 4

AA024965 standard; cDNA; 2177 BP
ID

XX
AC
ADD249657

12-MAR-2002 (first entry)

Human G-protein coupled receptor-10 (GCRC-10) cDNA

KM Human; G-protein coupled receptor-10; GPCR-10; therapy; cancer; stroke;
 KM cell proliferative disorder; neurological; epilepsy; Parkinson's disease;
 KM Alzheimer's disease; inflammation; thyroiditis; hemolytic anaemia; AIDS
 KM Acquired Immune Deficiency Syndrome; dementia; noctropia; cholelithiasis
 KM Multiple sclerosis; atherosclerosis; angina pectoris; gastroenteritis;
 KM diabetes; ulcer; viral infection; immunosuppressive; ss.

Homo sapiens.

FM	Key	Location/Qualifiers
FT	CDS	1..1485

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FT      .      .      /product= "Human GCRC-10 protein"
yy

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PN W0200198351-A2

PD 27-DEC-2001

PF 15-JUN-2001; 2001NO-US19275
VY

PR 16-JUN-2000; 200005-212483P
 PP 22-JUN-2000; 200005-213954P

PR 29-JUN-2000; 200005-215209P
PR 07-JUL-2000; 200005-216595P

PR	14-JUL-2000;	2000US-218936P
PR	19-JUL-2000;	2000US-219154P

XX	YY
3745077-800007	0007-500-17

XX
XV
XIV
XIII
XII
XI
X
IX
VIII
VII
VI
V
IV
III
II
I

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/

VI Griffin JA, Yue H, Khan F

PI Elliott VS, Hernandez R,

DR WPT; 2002-075627/10

[illegible]

PT these sequences in t

PT receptors -

PS Claim 11; page 137-138

CC The invention relates
CC (GCRRC) polypeptide

CC protein is useful in
CC increase or decrease

disorders (cancer, ...)

CC Inflammatory disorder

gastrointestinal di

cc the assessment of ti

CC human GCREC-10 cDNA

50 Sequence 2177 BP; 4

- Query Match

Matches 1511; Conserv

QY 26 ATGGAGGAGCCGCA

DB 1 ATGGAGGAGCCGCA

QY	86	TCGCGGCCCCCTCCGCGGCGCGGCGACCTTGCGGAGACTTCCTCCGCGGCGACGCGGCG	145
Db	61	TCGCGGCCCCCTCCGCGGCGCGGCGACCTTGCGGAGACTTCCTCCGCGGCGACGCGGCG	120
QY	146	GTGCTCTCCTTAGCAAGCACTGTGCGAGACCGCGCGCTGCGGGGAACTGAGCGAGCGTAAGCGGA	205
Db	121	GTGCTCTCCTTAGCAAGCACTGTGCGAGACCGCGCGCTGCGGGGAACTGAGCGAGCGGA	180
QY	206	GAGGCGCAACACTTCCGCGCTCCGCGTGGCGGCGGCGCTTGGCGGCGGTCCCGGCGAGCGCGAGG	265
Db	181	GAGGCGCAACACTTCCGCGCTCCGCGTGGCGGCGGCGCTTGGCGGCGGTCCCGGCGAGCGCGAGG	240
QY	266	GCGAGGCGCGCGGTGAGCGCGCGCGCTAGCGCCCGGAGCGCGCGCTGCTGTGTGCAAGGA	325
Db	241	GCGAGGCGCGCGGTGAGCGCGCGCGCTAGCGCCCGGAGCGCGCGCTGCTGTGTGCAAGGA	300
QY	326	GCAGCAGATGAGCGCGCGAGCGCGCTCGCGCGCGCAACTCTTCGCGGTCTAGCGCTTGGG	385
Db	301	GCAGCAGATGAGCGCGCGAGCGCGCTCGCGCGCGCAACTCTTCGCGGTCTAGCGCTTGGG	360
QY	386	AACTGCGCGGTGATGCGGGGTGATGTGTGAAGCAACGCGAGCTCCGACCGGTGACCAAGCGC	445
Db	361	AACTGCGCGGTGATGCGGGGTGATGTGTGAAGCAACGCGAGCTCCGACCGGTGACCAAGCGC	420
QY	446	TTTCACTCGTGCCTGTGCTCCCTATGCGATGCGTCAAGGAGCGTGTCTCTCGTCCCGCGCGCG	505
Db	421	TTTCACTCGTGCCTGTGCTCCCTATGCGATGCGTCAAGGAGCGTGTCTCTCGTCCCGCGCGCG	480
QY	506	TTTCTGGAACCTCTTCACTCCGCGCGGGGGGTGCGGCGCGTCCGCGCGCGCGCGGCGCGCTGG	565
Db	481	TTTCTGGAACCTCTTCACTCCGCGCGGGGGGTGCGGCGCGTCCGCGCGCGCGCGGCGCGCTGG	540
QY	566	CGCGGCTTCTGCGCGCGCGCAACCGCTTCTTCAAGCTGAGCTTCGCGATGCTGTCCACGCTC	625
Db	541	CGCGGCTTCTGCGCGCGCGCAACCGCTTCTTCAAGCTGAGCTTCGCGATGCTGTCCACGCTC	600
QY	626	AGCGTGGCGCTCATCTGCTGTGAGACGCTTCACTCGCTATGCGCGCGCGCGCGCGGAGAAAG	685
Db	601	AGCGTGGCGCTCATCTGCTGTGAGACGCTTCACTCGCTATGCGCGCGCGCGCGCGGAGAAAG	660
QY	686	ATCGGCGCGCGCGCGCGCTGCGAGCTGCTGCGGCGCGCGTGGCTGAGCGGCGCTTGCGGCTTC	745
Db	661	ATCGGCGCGCGCGCGCGCTGCGAGCTGCTGCGGCGCGCGTGGCTGAGCGGCGCTTGCGGCTTC	720
QY	746	TTCCTTGGCGCTGGGAGCGTGCCTGGGCGCGCGCGGAACTGCGCGCGCGCGAGAAAGTTTCCAC	805
Db	721	TTCCTTGGCGCTGGGAGCGTGCCTGGGCGCGCGCGGAACTGCGCGCGCGCGAGAAAGTTTCCAC	780
QY	806	GAGTGCCTTCAACGAGACTCCCGCGGAGCCCGCGCGCAACTGCGGCGCGCTTGAAGCTGGGG	865
Db	781	GAGTGCCTTCAACGAGACTCCCGCGGAGCCCGCGCGCAACTGCGGCGCGCTTGAAGCTGGGG	840
QY	866	CTGCGTGGGCGCTCTATGCTGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCG	925
Db	841	CTGCGTGGGCGCTCTATGCTGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCG	900
QY	926	TCCAGAGCGGTGCGCGCTGTGCGAGCTGCGCGCTGCGCGCGCGTGGTAAGCACTTACGCGCGGTG	985
Db	901	TCCAGAGCGGTGCGCGCTGTGCGAGCTGCGCGCTGCGCGCGCGTGGTAAGCACTTACGCGCGGTG	960
QY	986	CTGCGCTCTTCAAGGAGGTCGCGAGCGCGCGCGCGCGCGCGCTGCGCGCTGCGCGCTGCGCG	1045
Db	961	CTGCGCTCTTCAAGGAGGTCGCGAGCGCGCGCGCGCGCGCGCTGCGCGCTGCGCGCTGCGCG	1020
QY	1046	ATCTGCTGCTGAGGGGCGCTTACTGCTTCTGTGTGCTGTGCGCGCGCGCGCGCGAGGCGAG	1105
Db	1021	ATCTGCTGCTGAGGGGCGCTTACTGCTTCTGTGTGCTGTGCGCGCGCGCGCGCGAGGCGAG	1080
QY	1106	ATCCATGCGAGGCGCGCGCTGCTCTTCAAGCGTGTGTGCGCGCTGCGGTGACGCGGCGCAATGGG	1165
Db	1081	ATCCATGCGAGGCGCGCGCTGCTCTTCAAGCGTGTGTGCGCGCTGCGGTGACGCGGCGCAATGGG	1140
QY	1166	GCCATCAACCTGTCTATCTAGCGCATCCGCAATCCCAATTTGATGCTCTTGAAGCGCG	1225

Db	1141	GCATCAACCTCTFCACTCAACGCATCCGCATCCCAACATTGATGCTCTCTAGGGGAC	1200
Qy	1226	AACCGCAGGAGGGCTACCGGACTAGGAATGTGGACGCTTTCCTGTCGCCAGCCAGGGCCG	1285
Db	1201	AACCGCAGGAGGGCTACCGGACTAGGAATGTGGACGCTTTCCTGTCGCCAGCCAGGGCCG	1260
Qy	1286	GGTGTGAACCCAGAAACCGGCAATCGCTCTGCAAAACGCTATGCAACCGGCTGGGGCC	1345
Db	1261	GGTGTGAACCCAGAAACCGGCAATCGCTCTGCAAAACGCTATGCAACCGGCTGGGGCC	1320
Qy	1346	TGCACACGAGATGCTCTCTCCACACCCGCGACGAGATGTGCAAGGAGCGATGTGG	1405
Db	1321	TGCACACGAGATGCTCTCTCCACACCCGCGAGAGATGTGCAAGGAGCGATGTGG	1380
Qy	1406	GCCCGCAAAATCCAGTGTACTTCTCTCCGAGAGGACACACAGAGCGGCTGACGGCA	1465
Db	1381	GCCCGCAAAATCCAGTGTACTTCTCTCCGAGAGGACACACAGAGCGGCTGACGGCA	1440
Qy	1466	GTGACCAACAGCCTTAATCCGAGAGCTGGGGATACCAAGCCTCTAAGACGTTGGATGGC	1525
Db	1441	GTGACCAACAGCCTTAATCCGAGAGCTGGGGATACCAAGCCTCTAAGACGTTGGATGGC	1500
Qy	1526	CAGCTATGAA	1536
Db	1501	CAGCTATGAA	1511